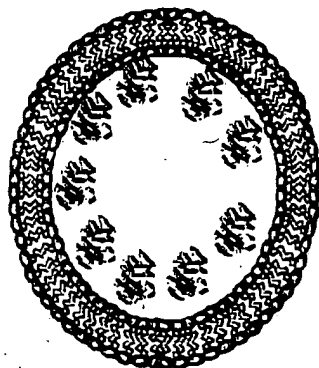


VLP budding

extracellular



1/25

gag
pr65

intracellular

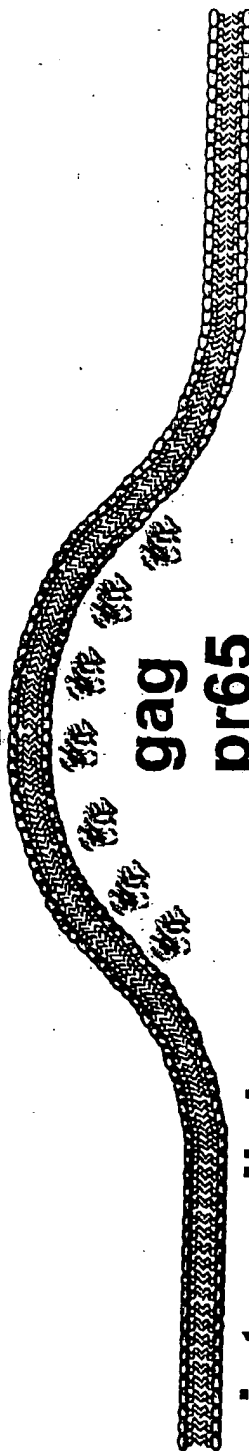
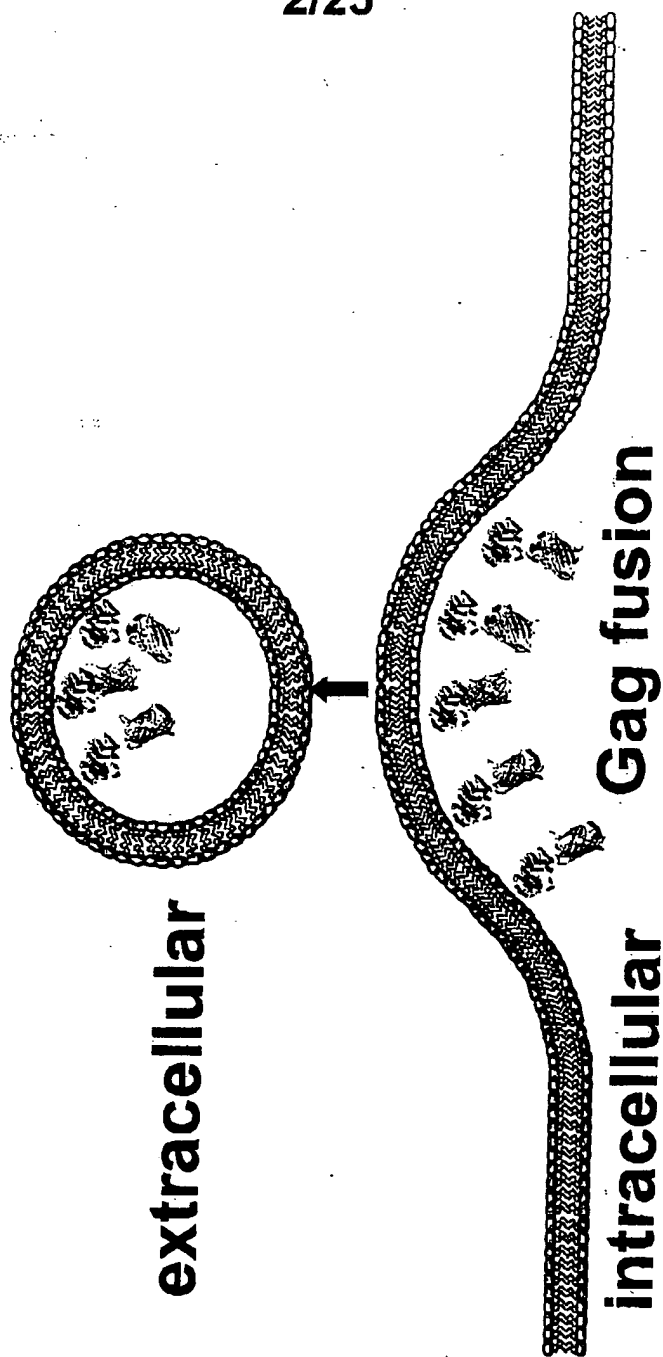


Fig. 1

VLP encapsulation



2/25

Fig. 2

3/25

VLP display

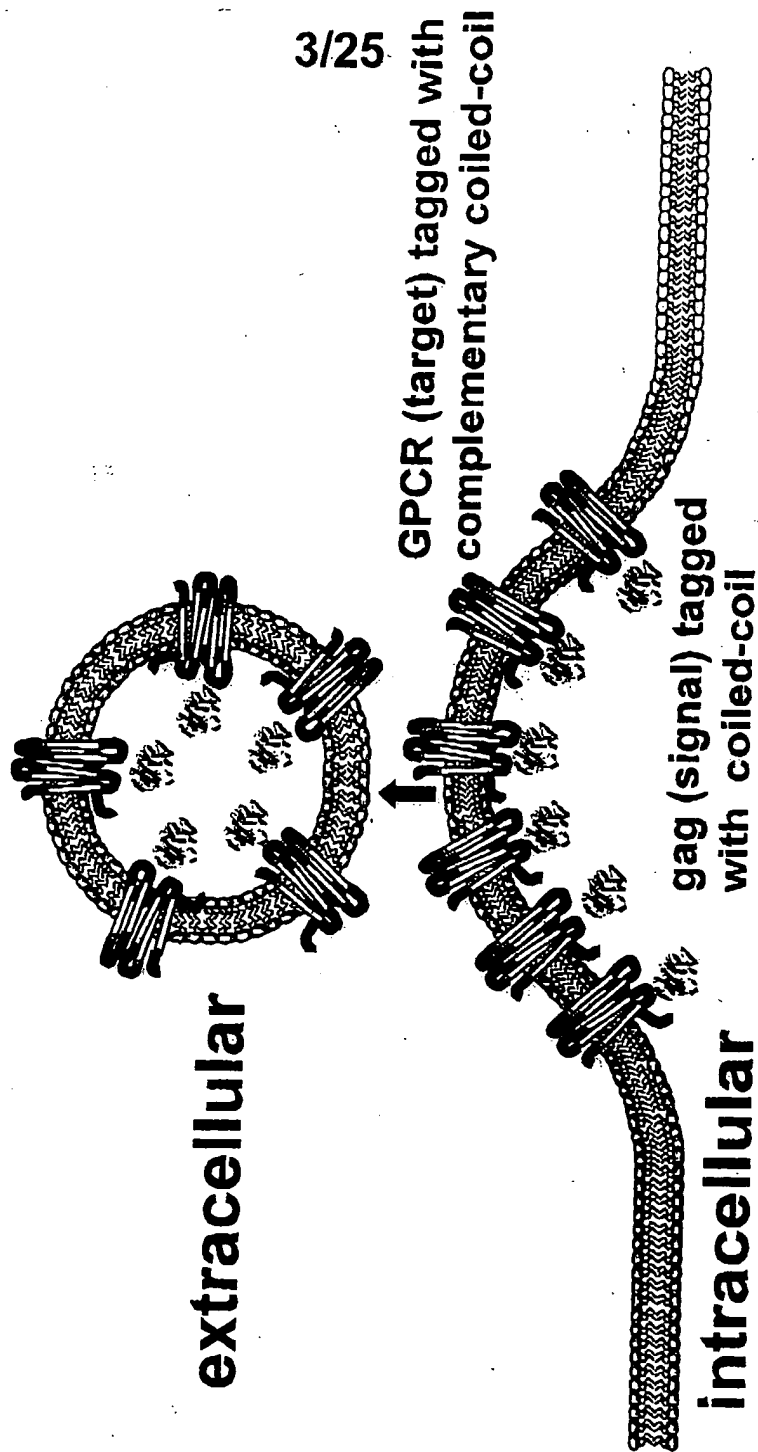


Fig. 3

Target containing a single transmembrane spanning domain as exemplified by the human EGF-receptor.

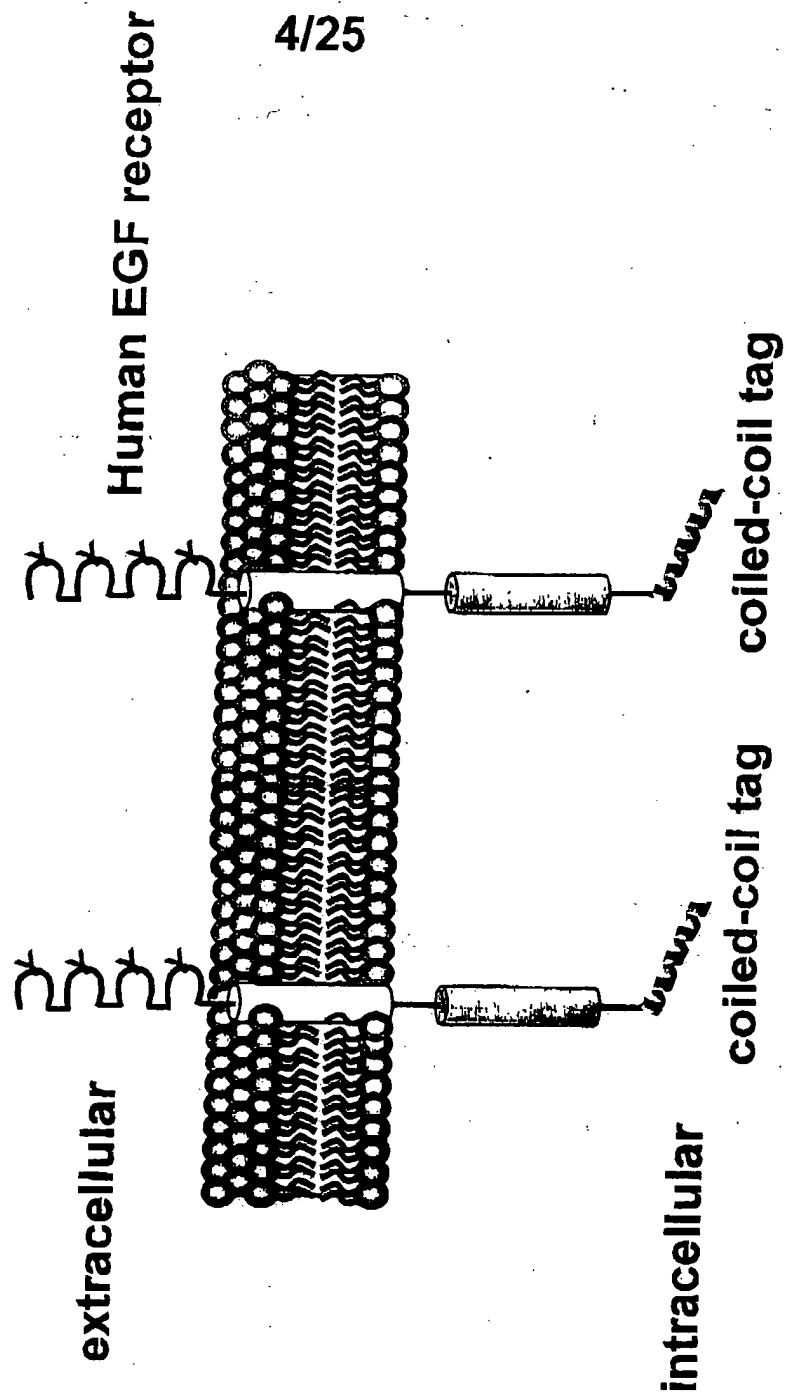


Fig. 4

Human EGF receptor expression on the surface of VLPs

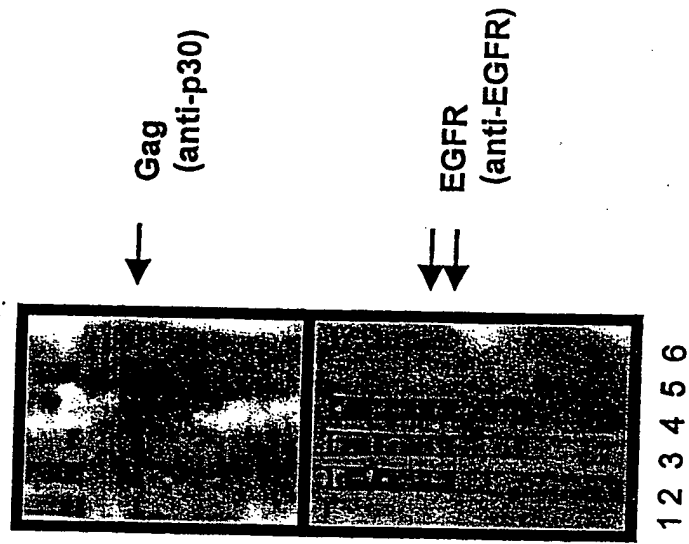


Fig. 5

Binding of TAMRA-labeled EGF to Human EGF Receptor on Membrane Vesicles and VLPs

6/25

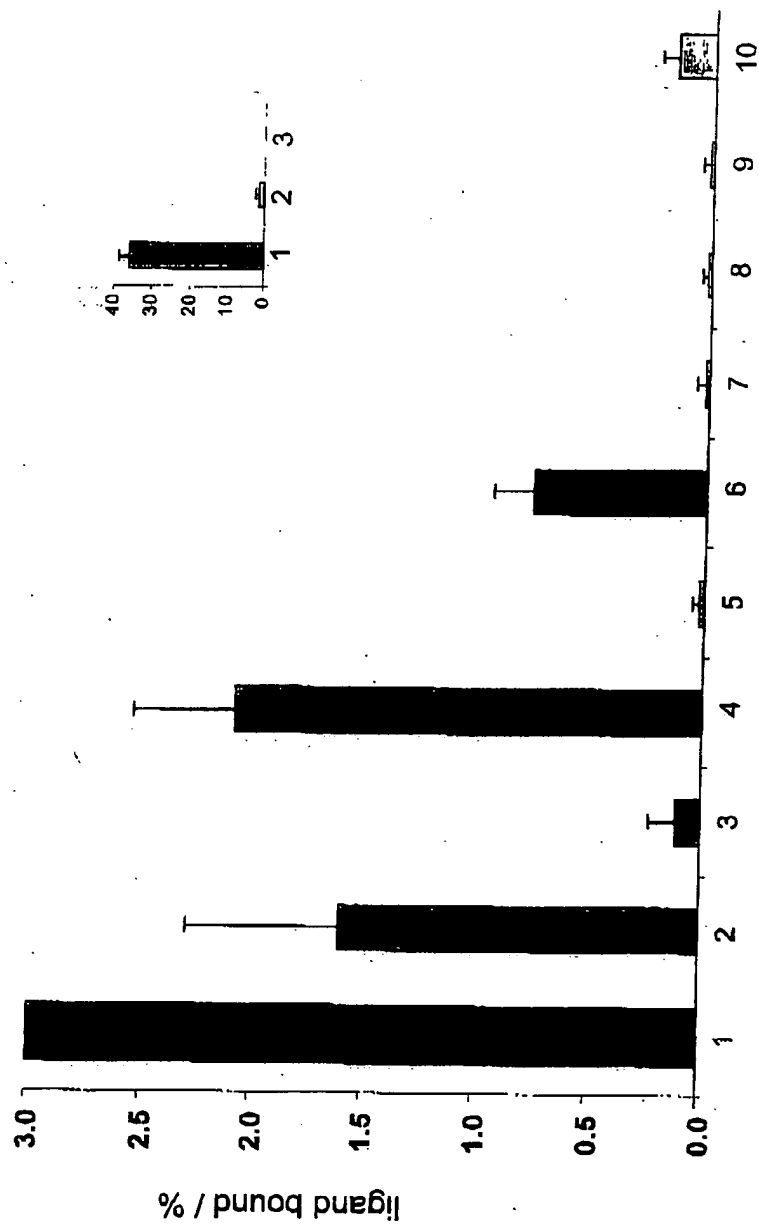


Fig. 6

7/25

Target containing a multiple transmembrane spanning domain as exemplified by the human Endothelin A receptor.

Human Endothelin A receptor

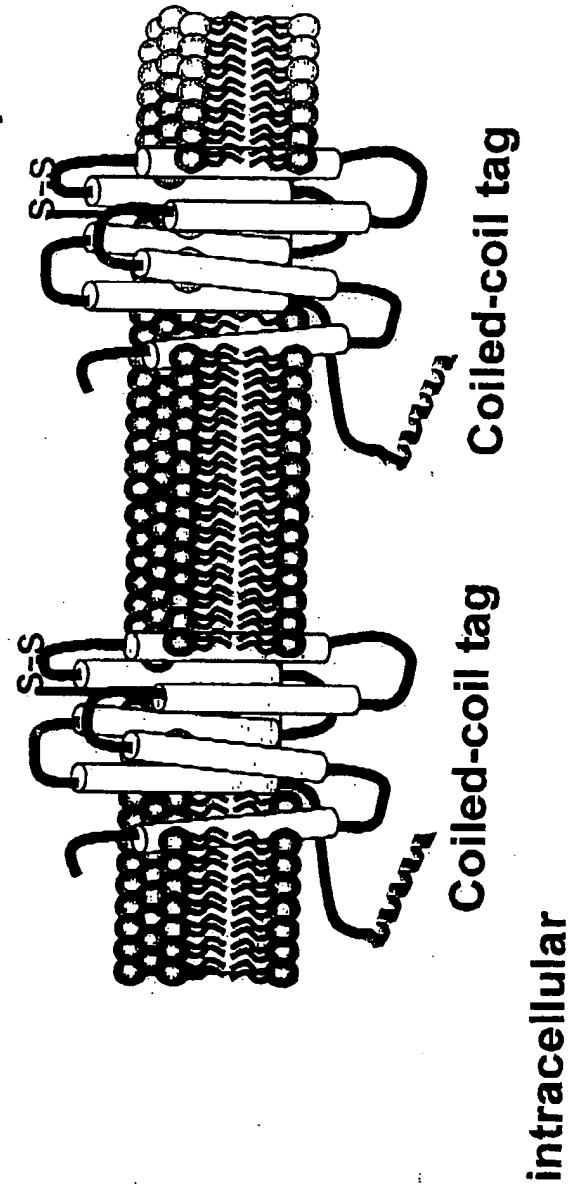


Fig. 7

ETAR#18 ETAR#20

Human Endothelin A receptor expression on the surface VLPs

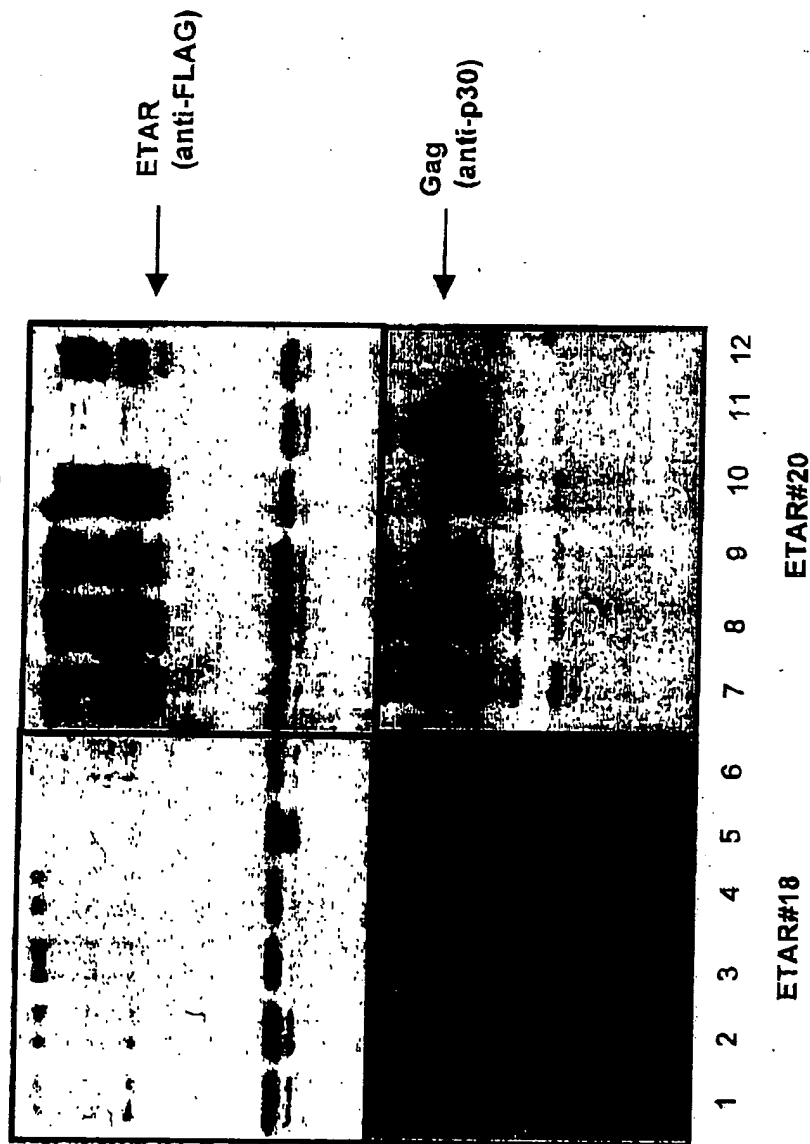


Fig. 8

9/25

Binding of TAMRA-labeled Endothelin-1 to Human ET Receptor on Membrane Vesicles and VLPs

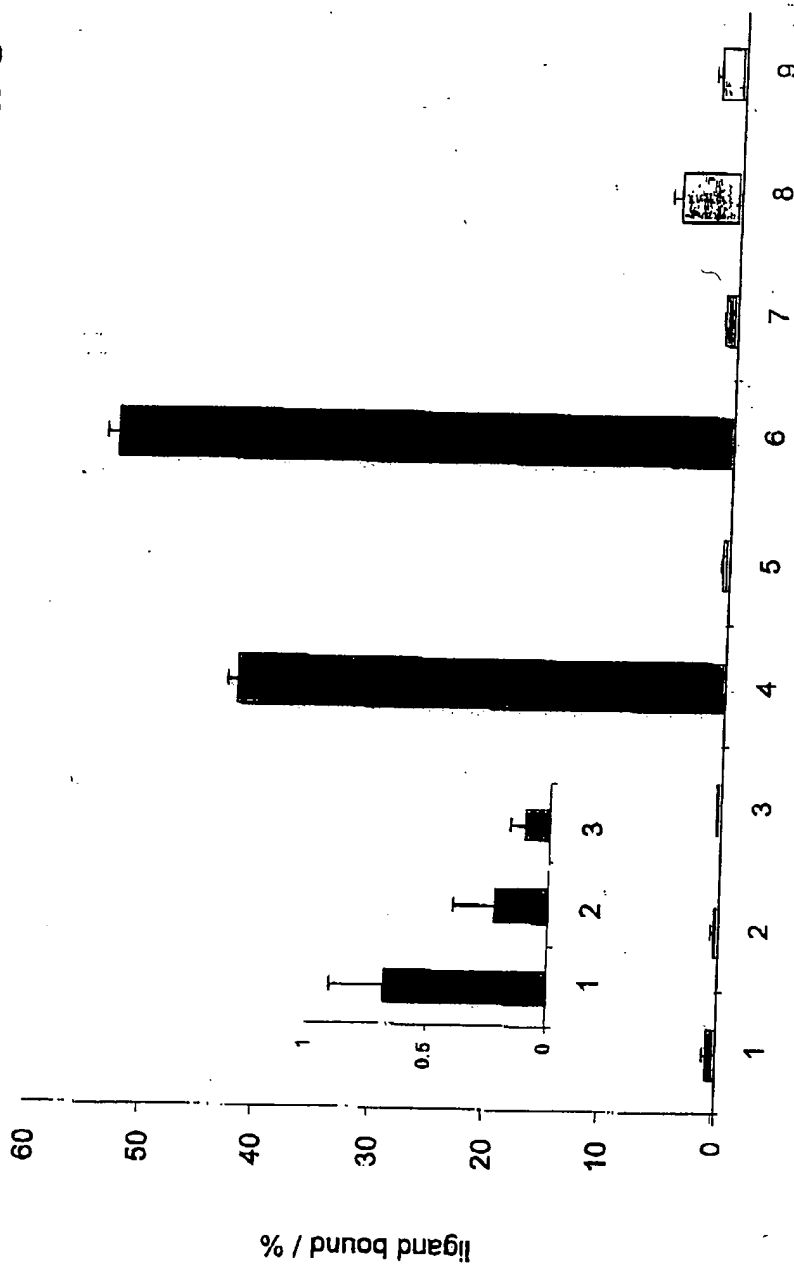


Fig. 9

Specificity of the Human ET Receptor on VLPs

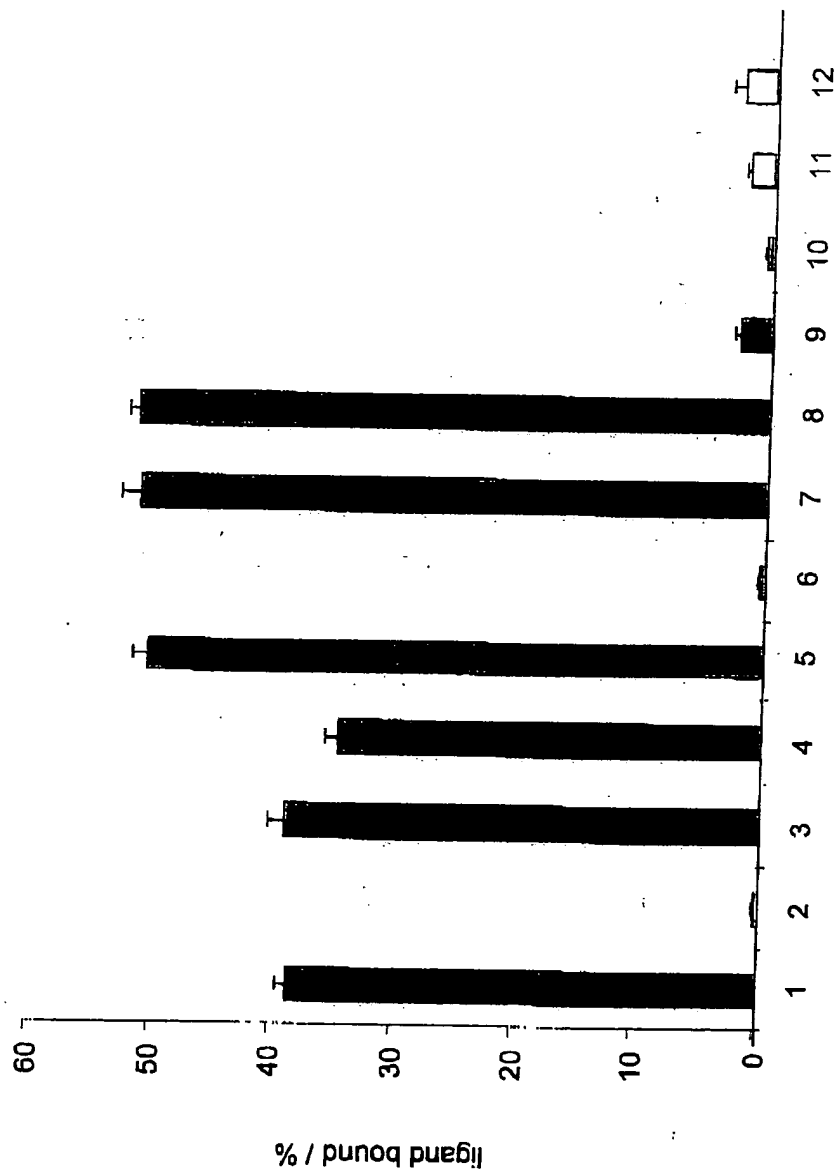


Fig. 10

11/25

Gag-Pr65 EGFP interaction leading to encapsulation

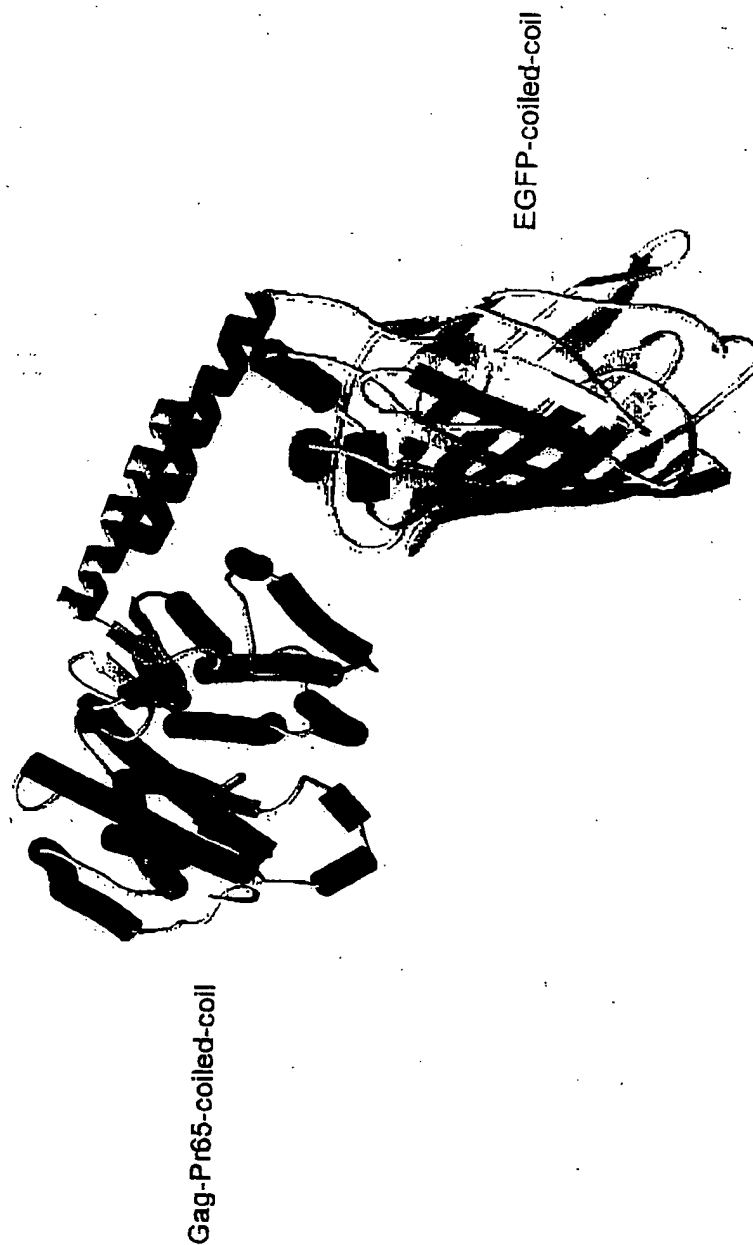


Fig. 11

VLP coiled coil interaction in cell culture supernatants.

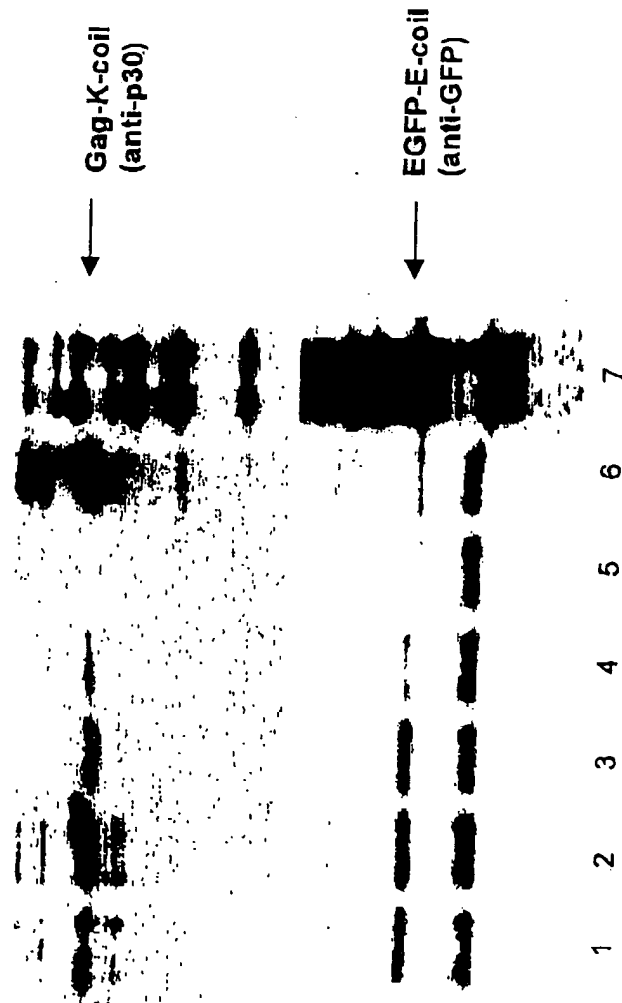


Fig. 12

Quantitative Analysis of Fluorescent VLPs by FIDA

13/25

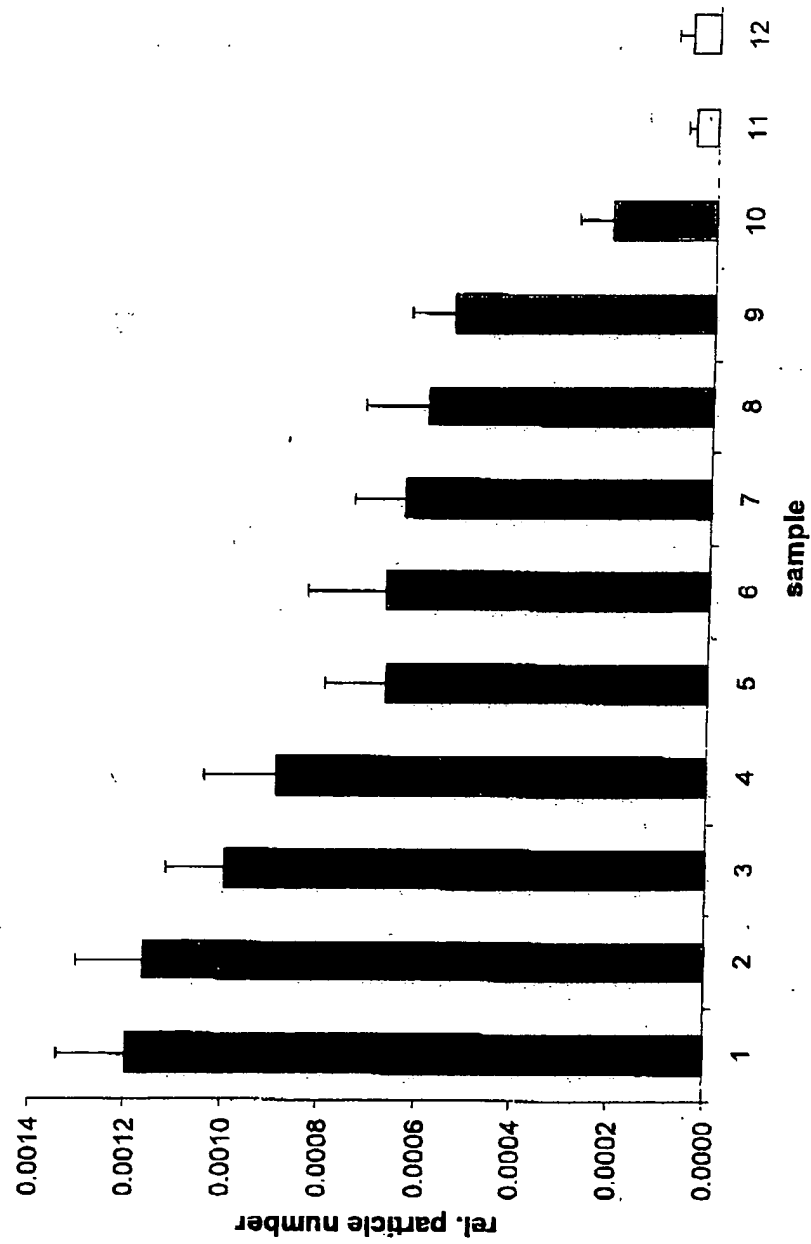


Fig. 13

VLP based reporter assay

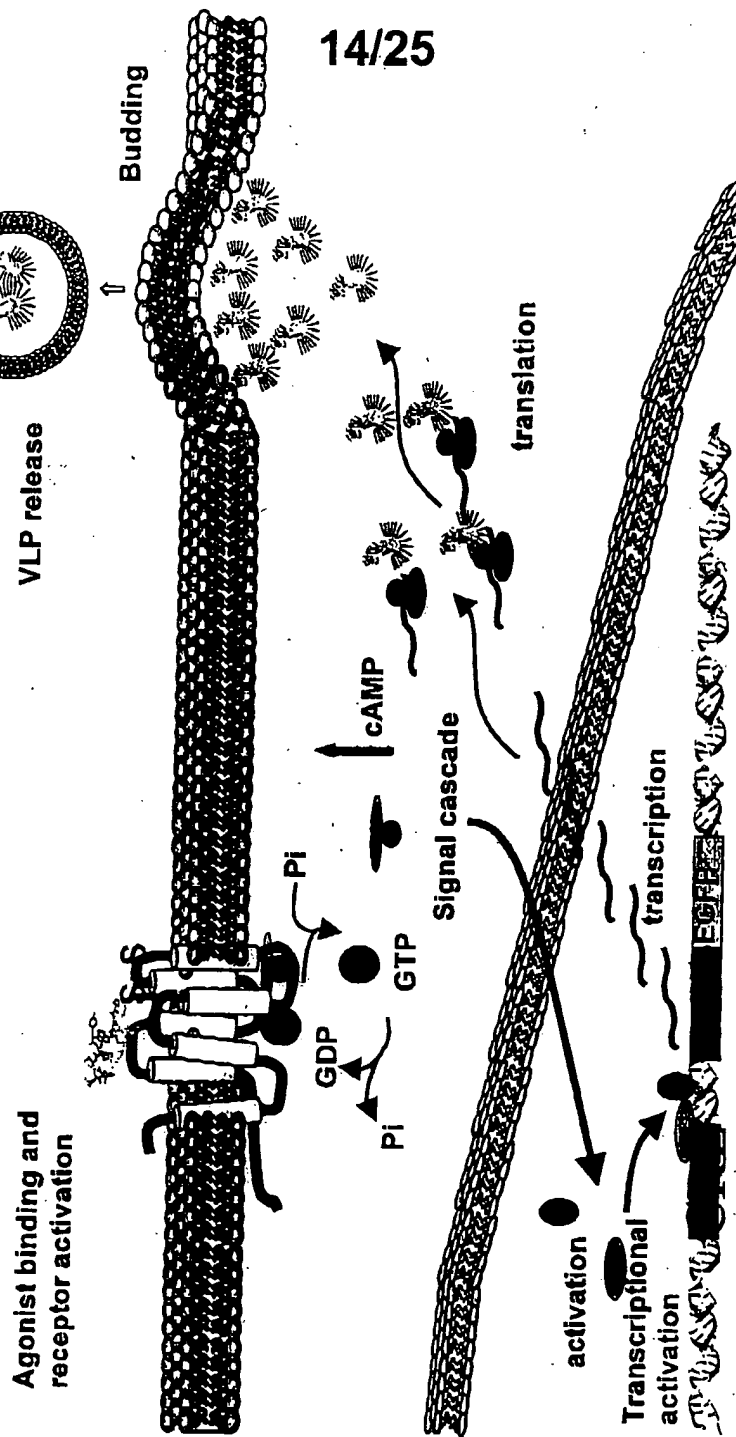


Fig. 14

VLP based reporter assay

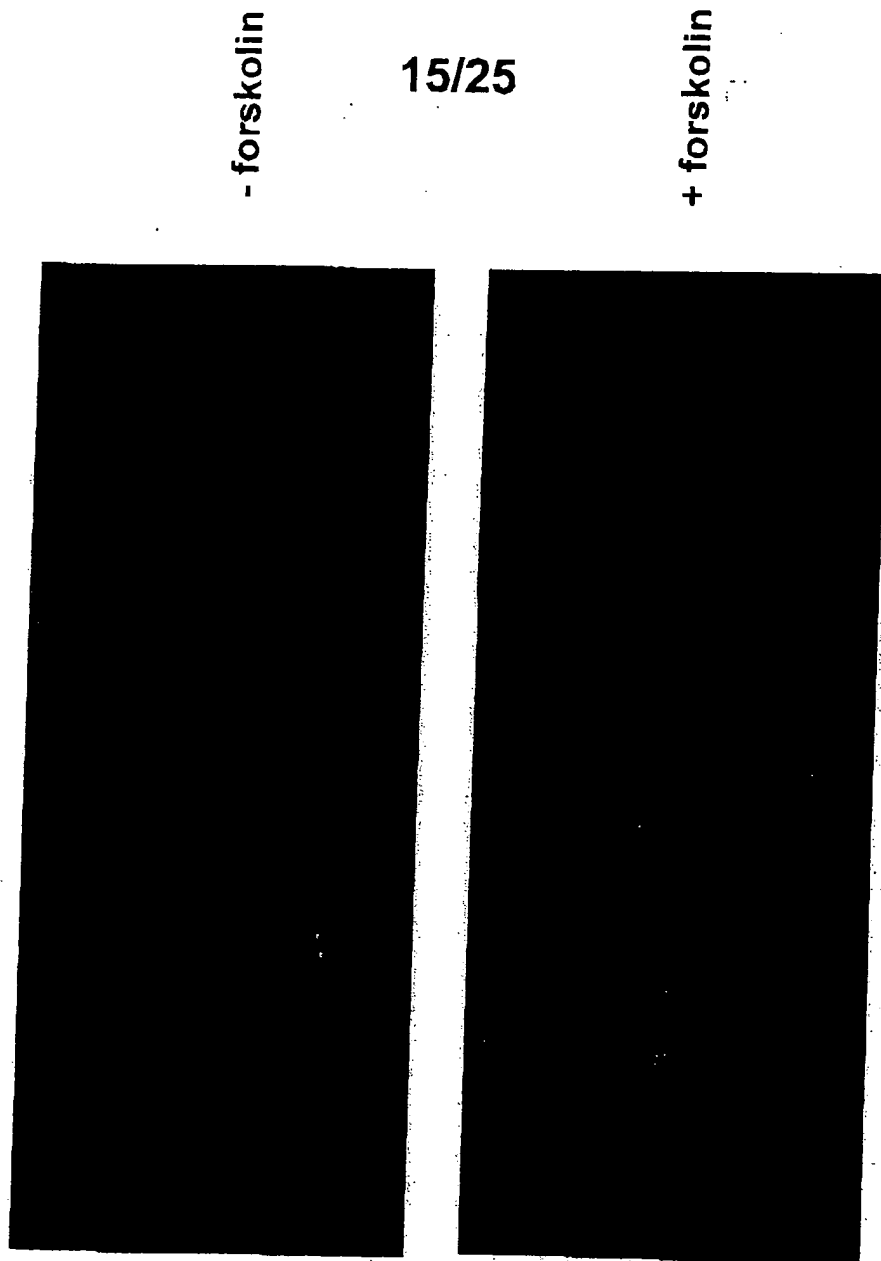


Fig. 15

16/25

FIDA Analysis of the Gag-EGFP Reporter Assay

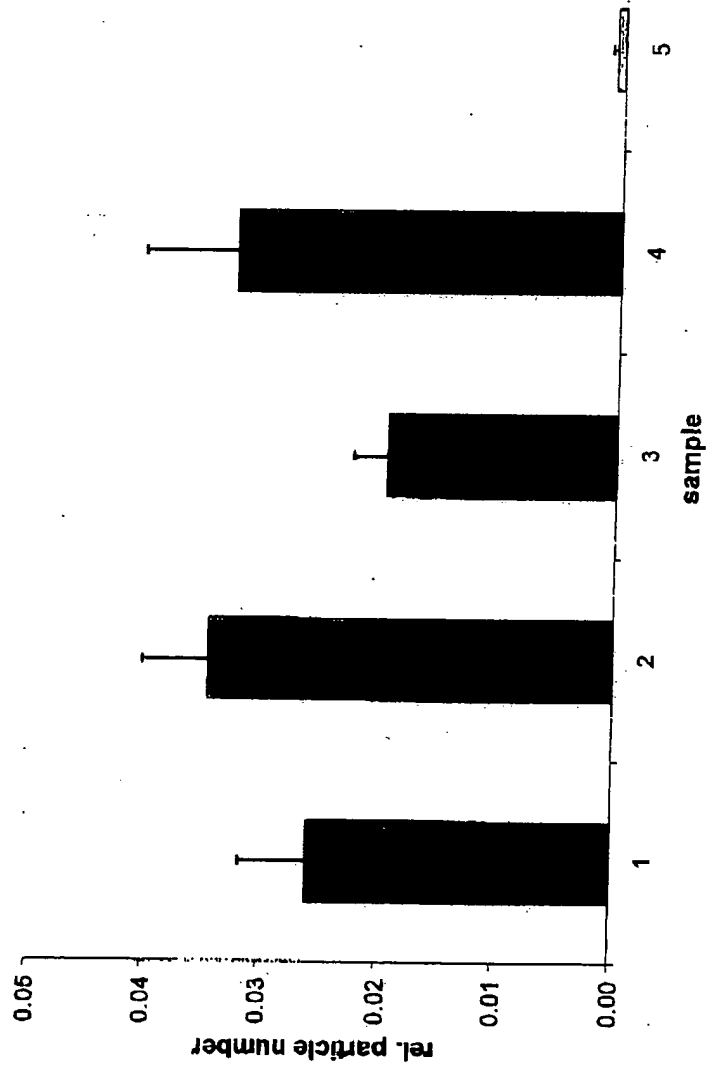


Fig. 16

VLP based protein translocation assay

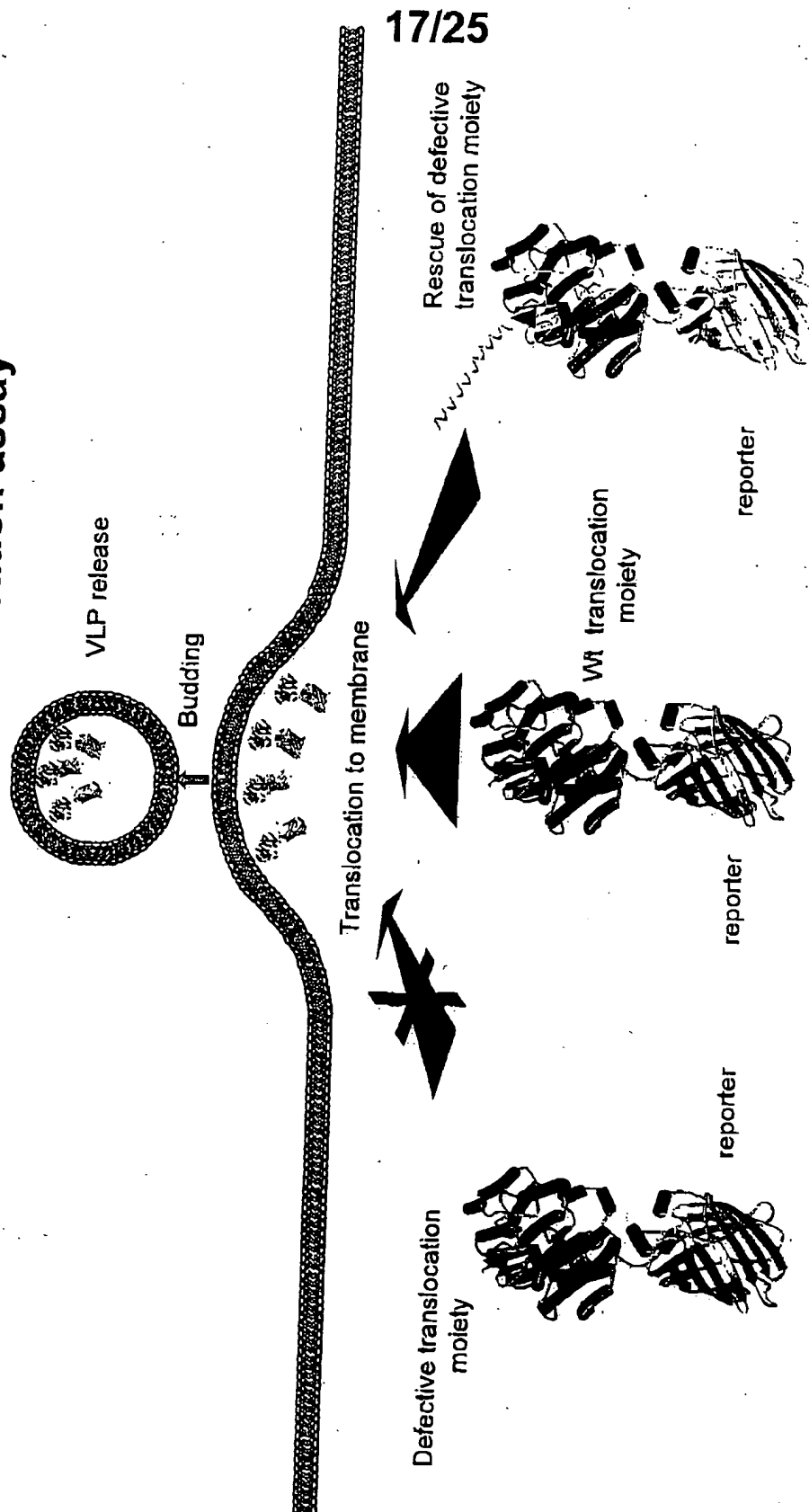


Fig. 17

VLP based protein-protein interaction assay

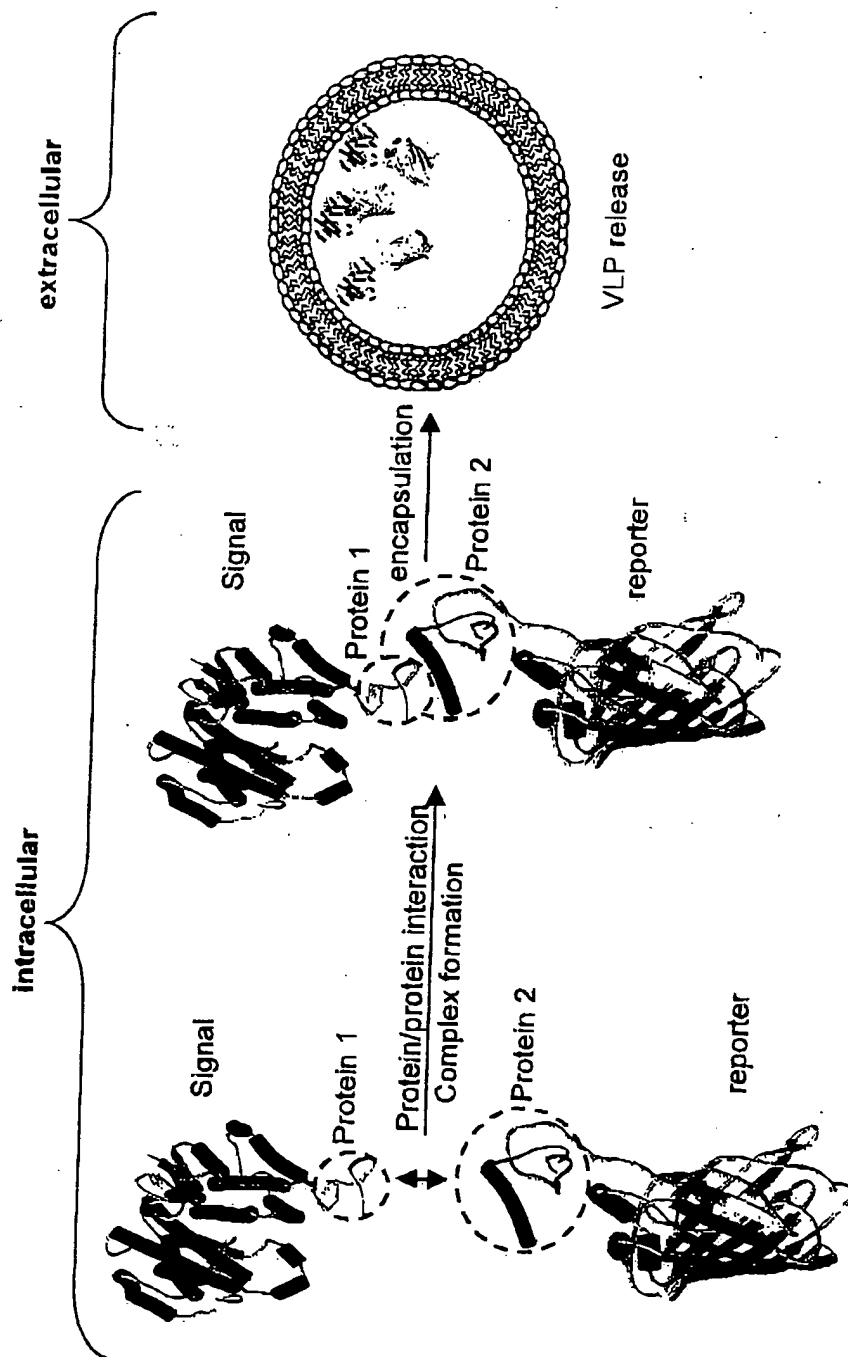
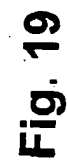


Fig. 18

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	



VLP based cell-cell interaction assay. Homologous or heterologous interactions

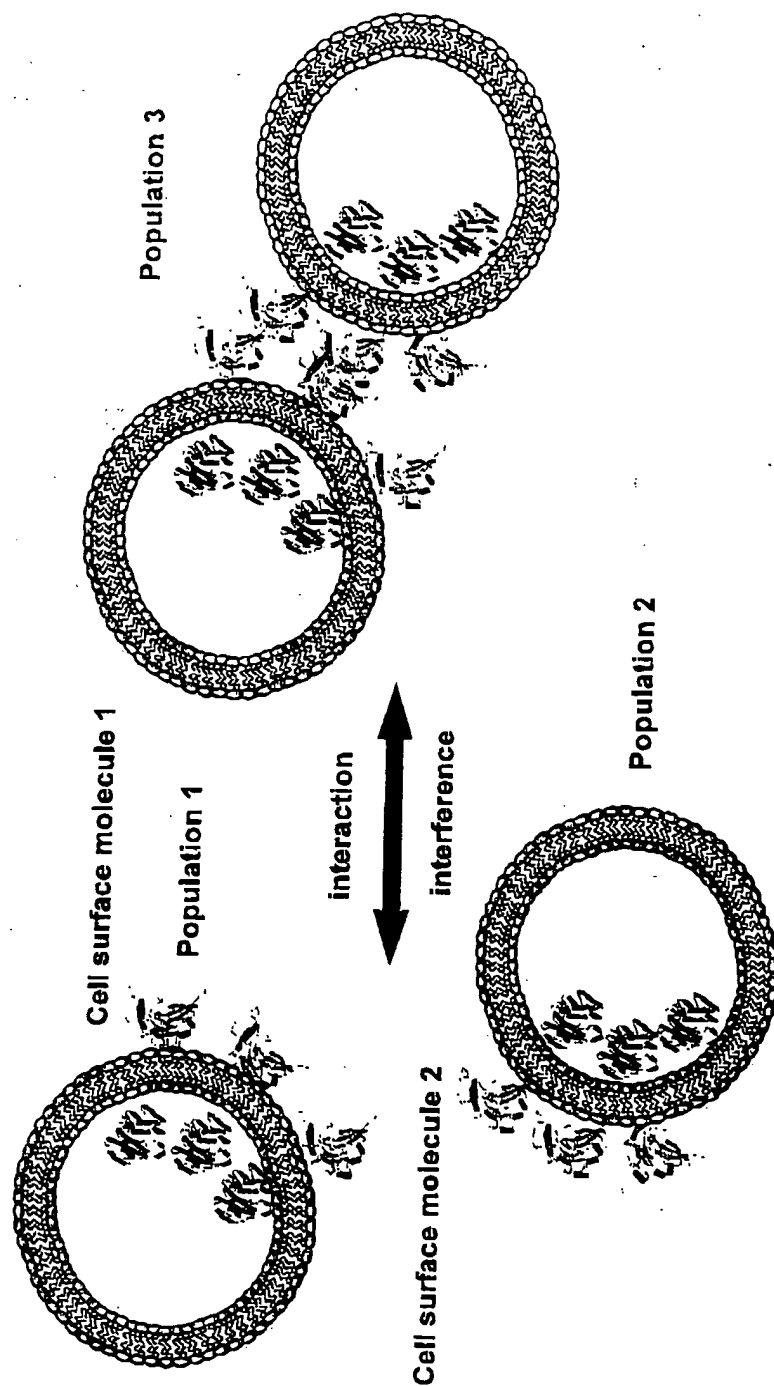


Fig. 20

VLP based - assay technologies

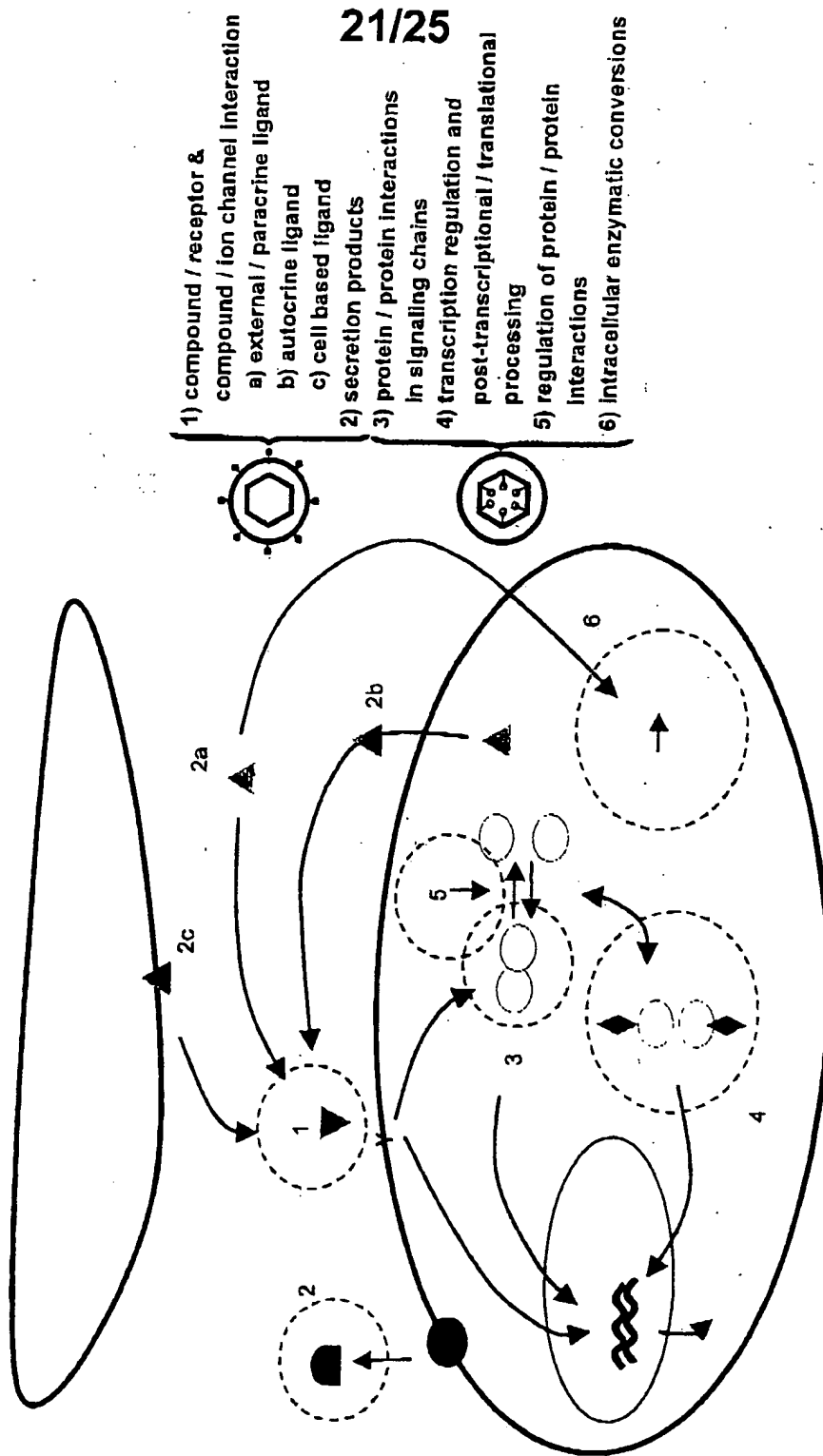


Fig. 21

Decoding Biological Function of Genetic Sequences using VLP-methodology

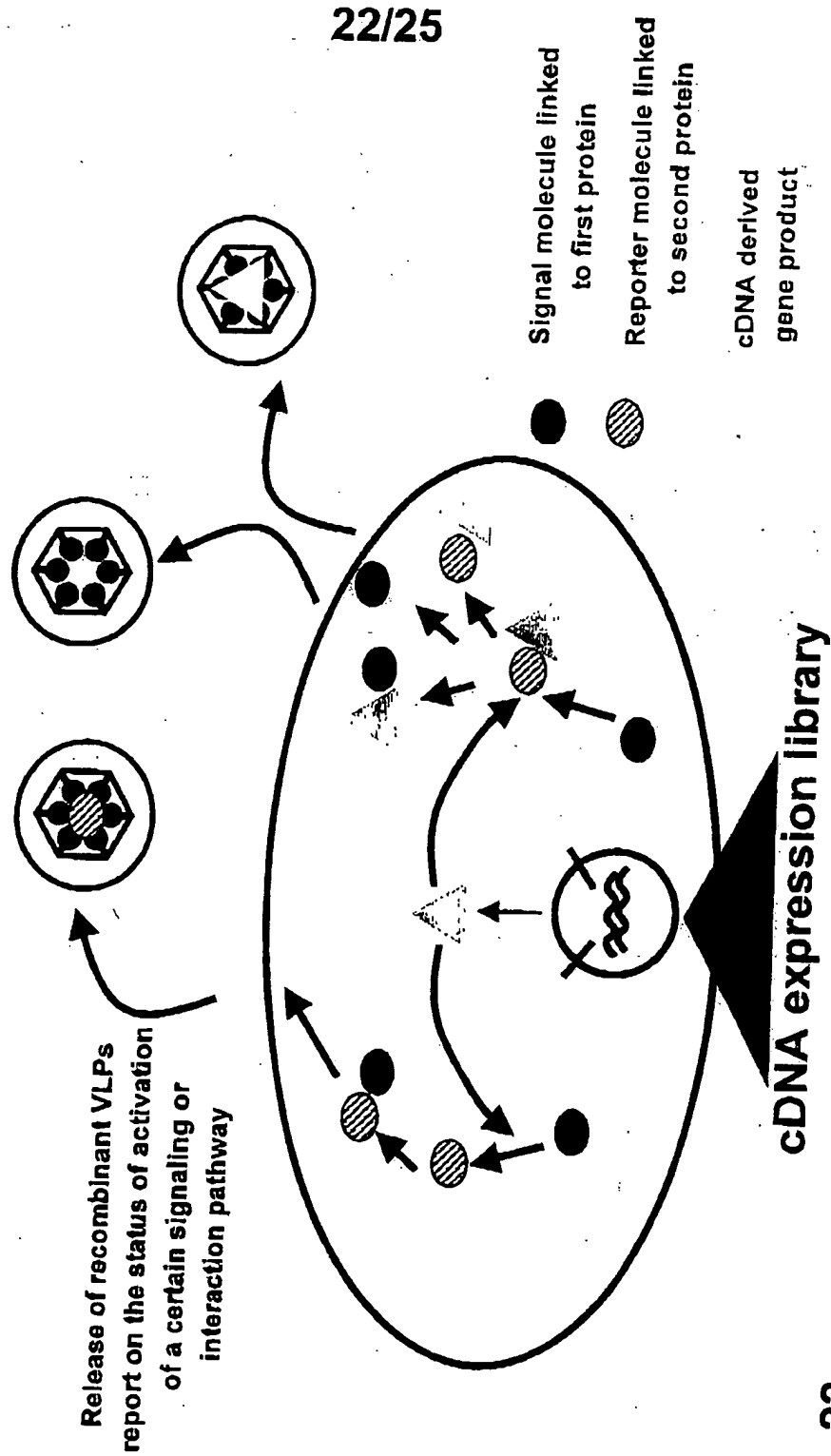


Fig. 22

Decoding Biological Function of Genetic Sequences using VLP-methodology

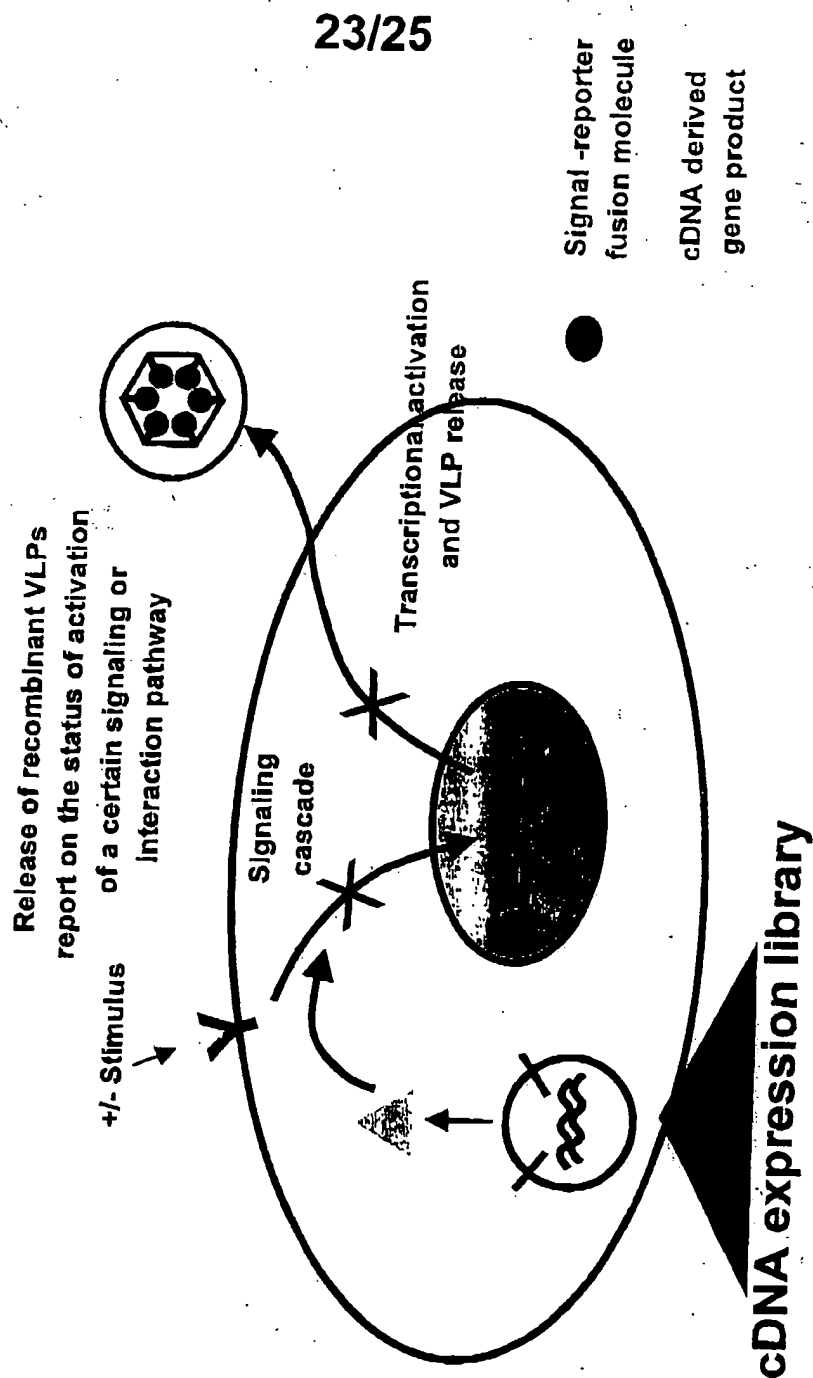


Fig. 23

Decoding Biological Function of Genetic Sequences using VLP-methodology

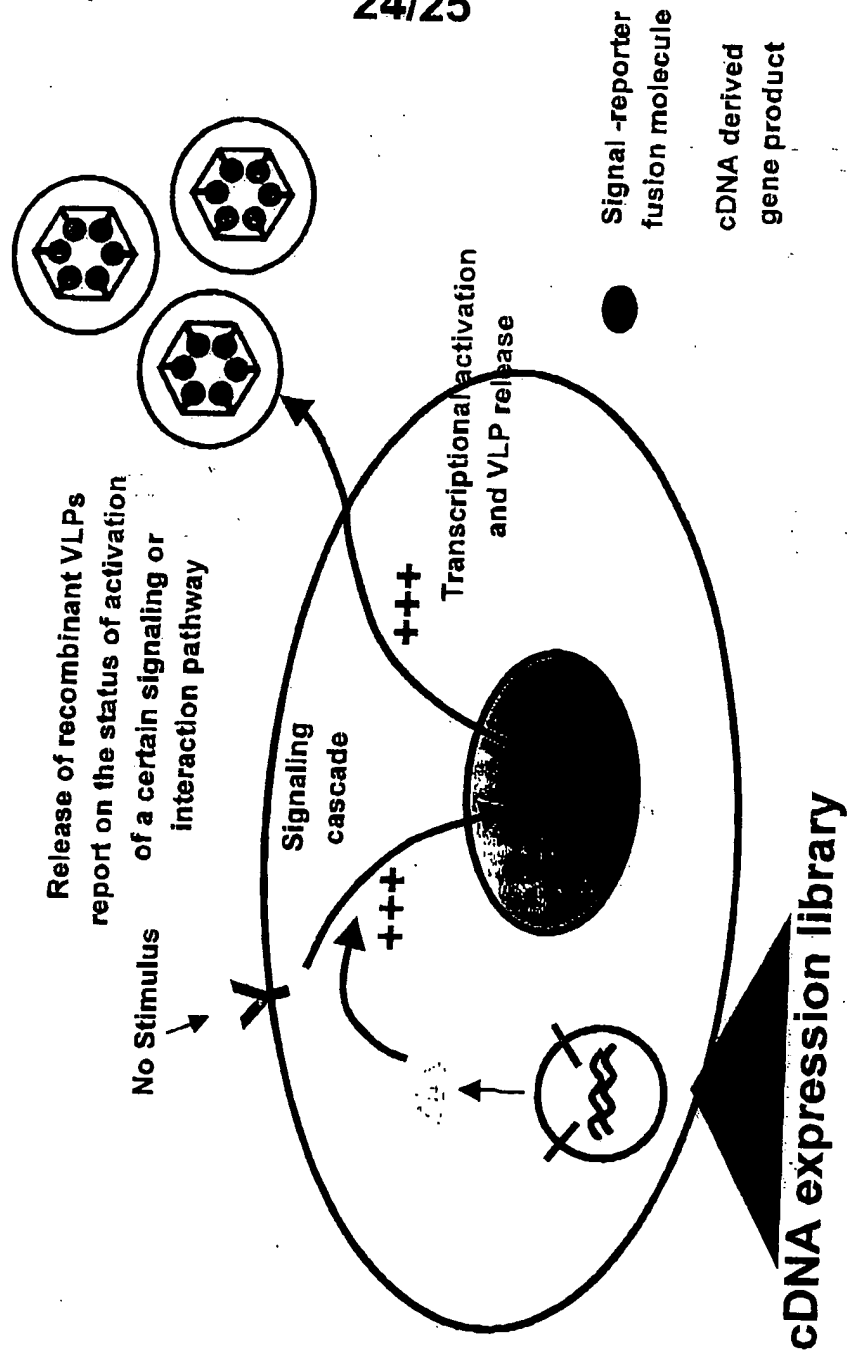


Fig. 24

**G-protein (G_{as}) expression in VLPs carrying the
Human Endothelin A Receptor**

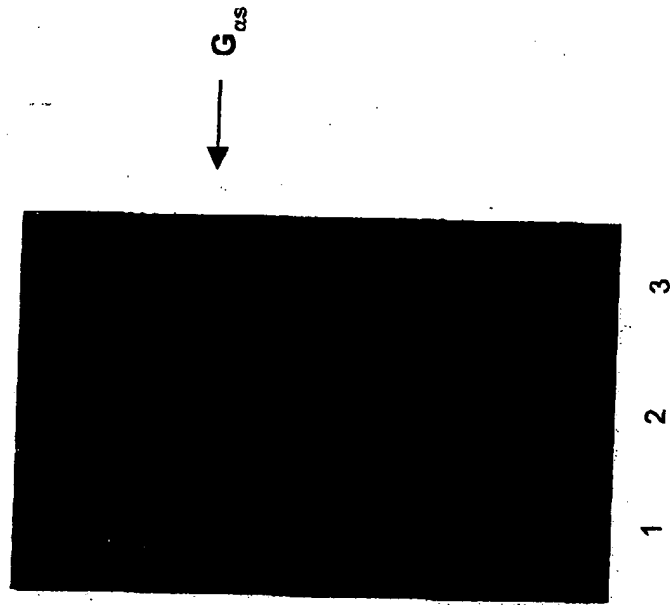


Fig. 25